CIVIL QUALITY CONSULTANTS & ENGINEERS

(Buildings Geo-Tech & Highway Materials Testing Laboratory)
An ISO 9001: 2015 Certified Company
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JAS-ANZ
ISO 9001:2000 CERTIFIED

Job No.1

CQCE/BBMP/NMK/W.No.37/2020-21

Date : 10.09.2020

GRADATION FOR WMM
MORTH TABLE-400-11

Client : **Executive Engineer,** RR Nagar Division, BBMP, Bangalore.
Agency : **Sri. N M Krishnamurthy,** Contractor, Bangalore.
Name of Work : Comprehesive development of Roads, drains and Footpath in Yeshwanthpura ward No.37 under PACKAGE-2019-20 RRN-DIV-(11), BBMP, Bangalore.

Date of Testing : 10.09.2020
Material Type : Wet Mix Macadam

Oven Dry Wt (gm): 10000

Is Sieve Size in mm	Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Spec.Limits
53	0	0	0	100	100
45	340	340	3.4	96.6	95-100
22.4	2352	2692	26.9	73.1	60-80
11.2	2289	4981	49.8	50.2	40-60
4.75	1820	6801	68.0	32.0	25-40
2.36	1362	8163	81.6	18.4	15-30
0.600	669	8832	88.3	11.7	8-22
0.075	428	9260	92.6	7.4	0-8

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Asst. Executive Engineer
Yeshwanthpura Sub-Division
Bruhat Bangalore Mahanagara Palike

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Office & Laboratory : # 133, Bhuvaneshwarinagar, Dodda Basti Main Road, Bangalore - 560 056.
e-mail: civilqualityconsultants@gmail.com Ph: 080-23240644 / Mob: 8553518550

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Job No.: CQCE/BBMP/NMK/W.No.37/2020-21

Date : 10.09.2020

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Date of Testing : 10.09.2020
Material Type : Wet Mix Macadam

Oven Dry Wt (gm): 10000

Is Sieve Size in mm	Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Spec.Limits
53	0	0	0	100	100
45	380	380	3.8	96.2	95-100
22.4	2365	2745	27.5	72.6	60-80
11.2	2345	5090	50.9	49.1	40-60
4.75	1740	6830	68.3	31.7	25-40
2.36	1382	8212	82.1	17.9	15-30
0.600	856	9068	90.7	9.3	8-22
0.075	418	9486	94.9	5.1	0-8

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Date : 10.09.2020

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Agency : **Sri. N M Krishnamurthy,** Contractor, Bangalore.
Name of Work : Comprehesive development of Roads, drains and Footpath in Yeshwanthpura ward No.37 under PACKAGE 2019-20 RRN-DIV-(11), BBMP, Bangalore.

Date of Testing : 10.09.2020
Material Type : Wet Mix Macadam

Oven Dry Wt (gm): 10000

Is Sieve Size in mm	Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Spec.Limits
53	0	0	0	100	100
45	265	265	2.7	97.4	95-100
22.4	2350	2615	26.2	73.9	60-80
11.2	2268	4883	48.8	51.2	40-60
4.75	1845	6728	67.3	32.7	25-40
2.36	1368	8096	81.0	19.0	15-30
0.600	980	9076	90.8	9.2	8-22
0.075	365	9441	94.4	5.6	0-8

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CQCE/BBMP/NMK/W.No.37/2020-21

GRADATION FOR WMM
MORTH TABLE-400-II

Date : 10.09.2020

Client : **Executive Engineer,** RR Nagar Division, BBMP, Bangalore.
Agency : **Sri. N M Krishnamurthy,** Contractor, Bangalore.
Name of Work : Comprehesive development of Roads, drains and Footpath in Yeshwanthpura ward No.37 under PACKAGE-2019-20 RRN-DIV-(11), BBMP, Bangalore.

Date of Testing : 10.09.2020
Material Type : Wet Mix Macadam

Oven Dry Wt (gm): 10000

Is Sieve Size in mm	Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Spec.Limits
53	0	0	0	100	100
45	356	356	3.6	96.4	95-100
22.4	2425	2781	27.8	72.2	60-80
11.2	2350	5131	51.3	48.7	40-60
4.75	1985	7116	71.2	28.8	25-40
2.36	1265	8381	83.8	16.2	15-30
0.600	715	9096	91.0	9.0	8-22
0.075	406	9502	95.0	5.0	0-8

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Date of Testing : 10.09.2020
Material Type : Wet Mix Macadam

Oven Dry Wt (gm): 10000

Is Sieve Size in mm	Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Spec.Limits
53	0	0	0	100	100
45	356	356	3.6	96.4	95-100
22.4	2425	2781	27.8	72.2	60-80
11.2	2350	5131	51.3	48.7	40-60
4.75	1985	7116	71.2	28.8	25-40
2.36	1265	8381	83.8	16.2	15-30
0.600	715	9096	91.0	9.0	8-22
0.075	406	9502	95.0	5.0	0-8

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Date of Testing : 10.09.2020
Material Type : Wet Mix Macadam

Oven Dry Wt (gm): 10000

Is Sieve Size in mm	Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Spec.Limits
53	0	0	0	100	100
45	348	348	3.5	96.5	95-100
22.4	2365	2713	27.1	72.9	60-80
11.2	2280	4993	49.9	50.1	40-60
4.75	1826	6819	68.2	31.8	25-40
2.36	1369	8188	81.9	18.1	15-30
0.600	856	9044	90.4	9.6	8-22
0.075	250	9294	92.9	7.1	0-8

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Date of Testing : 10.09.2020
Material Type : Wet Mix Macadam

Oven Dry Wt (gm): 10000

Is Sieve Size in mm	Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Spec.Limits
53	0	0	0	100	100
45	289	289	2.9	97.1	95-100
22.4	2366	2655	26.6	73.5	60-80
11.2	2355	5010	50.1	49.9	40-60
4.75	1736	6746	67.5	32.5	25-40
2.36	1390	8136	81.4	18.6	15-30
0.600	865	9001	90.0	10.0	8-22
0.075	415	9416	94.2	5.8	0-8

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Material Type : Wet Mix Macadam

Oven Dry Wt (gm): 10000

Is Sieve Size in mm	Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Spec.Limits
53	0	0	0	100	100
45	275	275	2.8	97.3	95-100
22.4	2368	2643	26.4	73.6	60-80
11.2	2285	4928	49.3	50.7	40-60
4.75	1864	6792	67.9	32.1	25-40
2.36	1356	8148	81.5	18.5	15-30
0.600	915	9063	90.6	9.4	8-22
0.075	368	9431	94.3	5.7	0-8

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Oven Dry Wt (gm): 10000

Is Sieve Size in mm	Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Spec.Limits
53	0	0	0	100	100
45	346	346	3.5	96.5	95-100
22.4	2436	2782	27.8	72.2	60-80
11.2	2365	5147	51.5	48.5	40-60
4.75	1890	7037	70.4	29.6	25-40
2.36	1356	8393	83.9	16.1	15-30
0.600	638	9031	90.3	9.7	8-22
0.075	420	9451	94.5	5.5	0-8

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Material Type : Wet Mix Macadam

Oven Dry Wt (gm): 10000

Is Sieve Size in mm	Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Spec.Limits
53	0	0	0	100	100
45	335	335	3.4	96.7	95-100
22.4	2468	2803	28.0	72.0	60-80
11.2	2356	5159	51.6	48.4	40-60
4.75	1890	7049	70.5	29.5	25-40
2.36	1356	8405	84.1	16.0	15-30
0.600	385	8790	87.9	12.1	8-22
0.075	485	9275	92.8	7.3	0-8

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